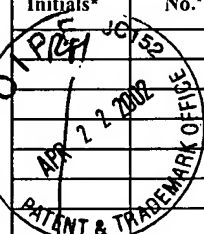
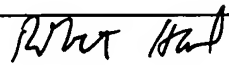


Substitute for form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/051,195
				Confirmation Number	9676
				Filing Date	January 22, 2002
				First Named Inventor	Kazuaki MURANAKA
				Art Unit	1723
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	Q68174

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 3,083,118		03-26-1963	Bridgeford
		US 3,732,306		05-08-1973	Gutman et al.
		US 4,026,831		05-31-1977	Moriya et al.
		US 4,032,482		06-28-1977	Moriya et al.
		US 4,093,567		06-06-1978	Hurwitz et al.
		US 4,100,149		07-11-1978	Meiller et al.
		US 4,186,086		01-29-1980	Ward
		US 4,189,539		02-19-1980	Ward
		US 4,191,814		03-04-1980	Amick
		US 4,273,878		06-16-1981	Amick
		US 4,337,185		06-29-1982	Wessling et al.
		US 4,560,704		12-24-1985	Regnier et al.
		US 4,859,462		08-22-1989	Chow et al.
		US 5,648,400		07-15-1997	Sugo et al.

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ <i>(if known)</i>			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
MH		TSUNEDA, S. et al., "Protein Adsorption Characteristics of Porous and Tentacle Anion-Exchange Membrane Prepared by Radiation-Induced Graft Polymerization", Radiat. Phys. Chem. Vol. 46, No. 2, 1995, pp. 239-245.	
I		SASAGAWA, N. et al., "Ionic Crosslinking of SO ₃ H-Group-Containing Graft Chains Helps to Capture Lysozyme in a Permeation Mode"; Journal of Chromatography A, 848, 1999, pp. 161-168.	
MH		ITO, Y. et al., "Oxidoreduction-Sensitive Control of Water Permeation Through a Polymer Brushes-Grafted Porous Membrane", Macromolecules, Vol. 30, No. 19, 1997, pp. 5856-5859	

Examiner Signature		Date Considered	12-8-03
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		Art Unit	1723	
		Examiner Name	Not Yet Assigned	
Sheet	1	of	Attorney Docket Number	Q68174

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
P24		US 5,030,352	A	7/9/1991	Varady et al.
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
P24		EP	0 451 706	A1	10/16/1991	SAKAI ENGINEERING CO., LTD.	

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Examiner Signature	Robert Hurl	Date Considered	12-8-07
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
14		US 3,723,306		March 27, 1973	Bridgeford
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			

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Examiner Signature	<i>Robert G. Hurl</i>	Date Considered	12-8-07
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